WING AREA-180 SQ.FT.
AILERON AREA-8.88 SQ.FT.
ELEVATOR AREA-11.65 SQ.FT.
STABILIZER AREA-15.10 SQ.FT.
FIN AREA-4.66 SQ.FT.
RUDDER AREA-6.76 SQ.FT.
PROPELLER CLEARANCE-10 IN.
AILERON TRAVEL 34°±2° UP & 25°±2° DOWN
ELEVATOR TRAVEL 27°±2° UP & 32°±2° DOWN
RUDDER TRAVEL-20°±2° RIGHT & 20°±2° LEFT
ADJ. STAB. TRAVEL-1°15'±30' UP & 5°30'±30' DOWN

9'-6"

TAIL SURFACES INSTALLATION
41185

NOTE 1:
FOR CONTROL SYSTEM DIAGRAM
SEE DWG. 42323
FOR RIGGING DIAGRAM SEE DWG. 83723

NOTE 2:
INSTALL 12761 AT ROUND INSP. HOLES
ON FUSELAGE & WING
INSTALL 82481 AT ALL RECTANGULAR
INSP. HOLES ON FUSELAGE & WING

NOTE 3:
ELEVATOR & STABILIZER TRAVELS ARE RELATIVE
TO THE HORIZONTAL REFERENCE LINE.
AILERON TRAVEL IS RELATIVE TO TRAILING
EDGE OF WING.
RUDDER TRAVEL IS RELATIVE TO LONGITUDINAL
CENTER LINE OF AIRPLANE

FUSELAGE ASSEMBLY
23384

53 1/8"

TAIL WHEEL
INST. 30553

WING INSTALLATION
14103

FUEL TANK INSTALLATION
12164

POWER PLANT
71876

SPAN 35' 5 1/2"

NOTE 4:
EXTERNAL FINISHES AND MARKINGS
TO BE IN ACCORDANCE WITH PIPER
REPORT NO. 356 AND DWG. 84113.

LANDING GEAR INSTALLATION
30855

74"

LET.	REVISION	DATE	BY	CH.
F	NOTE 4 ADDED	2-17-43		RES
E	NOTE ADDED	12-24-42		M.G.S.
D	41195 WAS 41193	11-30-42		J.E.C.
C	30855 WAS 30853	11-20-42		R.T.M.
B	STAB. TRAVEL WAS 4°15'±30' & 2°30'±30'	10-20-42		M.G.S.
A	ELEV. TRAVEL WAS 28°±2° & 27°±2°	10-1-42		M.G.S.

MODEL: HE-1 | PER SHIP: | NEXT ASSEMBLY: | SUPERSEDES: | SUPERSEDED BY:

PIPER AIRCRAFT CORP.
LOCK HAVEN, PENNA.

PART No.	No. REQ.	NAME / MATERIAL
12761	11	ROUND PLATES
82481	7	RECTANGULAR PLATE
12164	1	FUEL TANK INST.
30553	1	TAIL WHEEL INST.
14103	L & R	WING INSTALLATION
30855	1	LANDING GEAR INST.
41185	1	TAIL SURFACES INST.
71876	1	POWER PLANT
23384	1	FUSELAGE ASSEMBLY

SCALE

HE-1 COMPLETE AIRPLANE

DRAWN: M.C.R.A.E. 8-26-42 | CHECKED: M.G.S. 10-10-42 | APPROVED: J.E.C.

83473